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OM protein - protein search, using sw model

Run on: January 8, 2002, 23:03:25 ; Search time 23.44 Seconds
(without alignments)
643.345 Million cell updates/sec

Title: US-09-635-521A-2

Perfect score: 2334
Sequence: 1 MASPSLPGSCSQIIDHSV.....NSGAKPANSAENGFOHEV 453

Scoring table:
BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 152495 seqs, 33289190 residues

Number of hits satisfying chosen parameters: 152495

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

Pending Patents: AA, New:*
1: /cgn2_6/ptodata/1/paa/PCT_NEW_COMB.pep.*
2: /cgn2_6/ptodata/1/paa/US06_NEW_COMB.pep.*
3: /cgn2_6/ptodata/1/paa/US07_NEW_COMB.pep.*
4: /cgn2_6/ptodata/1/paa/US08_NEW_COMB.pep.*
5: /cgn2_6/ptodata/1/paa/US09_NEW_COMB.pep.*
6: /cgn2_6/ptodata/1/paa/US10_NEW_COMB.pep.*
7: /cgn2_6/ptodata/1/paa/US60_NEW_COMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2334	100.0	453	US-09-970-966-209	Sequence 209, App
2	403	17.3	410	US-09-988-922-8	Sequence 8, Appl
3	363	15.6	415	US-09-876-252-12	Sequence 12, Appl
4	363	15.6	415	US-09-875-076-12	Sequence 12, Appl
5	349.5	15.0	412	US-09-876-252-130	Sequence 130, App
6	346.5	14.8	403	US-09-170-496D-114	Sequence 114, App
7	344.5	14.8	403	US-09-170-496D-114	Sequence 224, App
8	300.5	12.9	419	US-09-804-551B-26	Sequence 26, Appl
9	299	12.8	366	US-09-170-496D-88	Sequence 88, Appl
10	293	12.6	366	US-09-170-496D-210	Sequence 210, App
11	276.5	11.8	380	US-09-611-526-3507	Sequence 3507, App
12	272.5	11.7	380	US-09-170-496D-62	Sequence 62, Appl
13	272.5	11.7	380	US-09-170-496D-198	Sequence 198, App
14	263.5	11.3	444	US-09-992-331-19	Sequence 19, Appl
15	258	11.1	346	US-09-595-549-6	Sequence 6, Appl
16	258	11.1	346	US-09-992-331-11	Sequence 11, Appl
17	257	11.0	349	US-09-461-436-343	Sequence 343, App
18	256.5	11.0	363	US-09-992-331-14	Sequence 14, Appl
19	254	10.9	348	US-09-461-436-46	Sequence 46, Appl
20	254	10.9	348	US-09-595-549-5	Sequence 5, Appl
21	254	10.9	348	US-09-461-436-342	Sequence 342, App
22	254	10.9	348	US-09-992-331-10	Sequence 10, Appl
23	252.5	10.8	428	US-09-892-331-16	Sequence 16, Appl
24	252	10.8	362	US-09-892-331-13	Sequence 13, Appl
25	250.5	10.7	428	US-09-992-331-15	Sequence 15, Appl
26	250	10.7	349	US-09-595-549-7	Sequence 7, Appl

27	250	10.7	349	5	US-09-992-331-12	Sequence 12, Appl
28	250	10.7	351	5	US-09-461-436-344	Sequence 344, App
29	248	10.6	533	5	US-09-804-551B-28	Sequence 28, Appl
30	246.5	10.6	418	5	US-09-992-331-17	Sequence 17, Appl
31	244.5	10.5	438	5	US-09-743-872A-17	Sequence 17, Appl
32	243	10.4	391	5	US-09-841-720A-8	Sequence 8, Appl
33	241	10.3	398	5	US-09-841-720A-2	Sequence 2, Appl
34	241	10.3	398	5	US-09-823-114-16	Sequence 16, Appl
35	241	10.3	444	5	US-09-743-872A-28	Sequence 28, Appl
36	239	10.2	415	5	US-09-823-114-20	Sequence 20, Appl
37	238.5	10.2	760	5	US-09-555-313A-2	Sequence 2, Appl
38	238	10.2	409	5	US-09-743-872A-27	Sequence 27, Appl
39	237.5	10.2	390	5	US-09-743-872A-25	Sequence 25, Appl
40	237.5	10.2	391	5	US-09-743-872A-26	Sequence 26, Appl
41	237.5	10.2	392	5	US-09-743-872A-19	Sequence 19, Appl
42	237.5	10.2	398	5	US-09-743-872A-29	Sequence 29, Appl
43	237.5	10.2	401	5	US-09-743-872A-20	Sequence 20, Appl
44	235	10.1	347	5	US-09-823-114-24	Sequence 24, Appl
45	235	10.1	425	5	US-09-961-848-2	Sequence 2, Appl

ALIGNMENTS

```

RESULT 1
US-09-970-966-209
; Sequence 209, Application US/09970966
; GENERAL INFORMATION:
; APPLICANT: Molesh, John A.
; APPLICANT: Fling, Steven P.
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.484C6
; CURRENT FILING DATE: 2001-10-02
; NUMBER OF SEQ ID NOS: 215
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 209
; LENGTH: 453
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-970-966-209

Query Match          100.0%; Score 2334; DB 5; Length 453;
Best Local Similarity 100.0%; Pred. No. 2.4e-197;
Matches 453; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
1 MASPSLPGSCSQIIDHSVPEFEVATWIKITLILVYLIIFVYGLGNSATIRVQYLOK 60
1 MASPSLPGSCSQIIDHSVPEFEVATWIKITLILVYLIIFVYGLGNSATIRVQYLOK 60
61 KGYLQKVEDVHNVSLACSDILVELIGMPMEFYSIIMNPLTSSYLSCKLHTEFEACSY 120
61 KGYLQKVEDVHNVSLACSDILVELIGMPMEFYSIIMNPLTSSYLSCKLHTEFEACSY 120
121 ATLLVHLVLTSEFRTYALICHPFRYKAVSGCQYKLLIGFWYTSALVALPLFAMGTEPL 180
121 ATLLVHLVLTSEFRTYALICHPFRYKAVSGCQYKLLIGFWYTSALVALPLFAMGTEPL 180
121 ATLLVHLVLTSEFRTYALICHPFRYKAVSGCQYKLLIGFWYTSALVALPLFAMGTEPL 180
181 VVWPSHRLGTCNRSSRTHHEOPETSNMISCTMSSRMVFOSSIFGAFVYLVYLSVAF 240
181 VVWPSHRLGTCNRSSRTHHEOPETSNMISCTMSSRMVFOSSIFGAFVYLVYLSVAF 240
241 MCMNMVQVLMKSQKSLAGTRPPOLRKSSESESRARRQTIIFRLVYTLAVCMMPNQ 300
241 MCMNMVQVLMKSQKSLAGTRPPOLRKSSESESRARRQTIIFRLVYTLAVCMMPNQ 300
301 IRRIMAAAPKRDWTRSYRAYMIILPSETEFYLSVNIPLLYVSSQOFRVVOYVC 360
301 IRRIMAAAPKRDWTRSYRAYMIILPSETEFYLSVNIPLLYVSSQOFRVVOYVC 360

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QY 361 CRSLGHNHNEKRLRVHAHSTTDSARFVORPLLFASRRSSARREKIPLSTFQSEAEPO 420
Db 361 CRSLGHNHNEKRLRVHAHSTTDSARFVORPLLFASRRSSARREKIPLSTFQSEAEPO 420
QY 421 SKQSLSLESPNGCAKPAKNSAENGFOEHEV 453
Db 421 SKQSLSLESPNGCAKPAKNSAENGFOEHEV 453

RESULT 2

US-09-988-922-8
Sequence 8, Application US/09988922
GENERAL INFORMATION:
APPLICANT: Erding Hu
APPLICANT: Yuan Zhu
APPLICANT: Ganesh M. Sathe
APPLICANT: Joyce Yue Mao
APPLICANT: Wendy S. Halsey
APPLICANT: Jon Chambers
APPLICANT: Alison Isobel Muir
APPLICANT: Philip Graham Szekeres
APPLICANT: Usman Shabon
APPLICANT: Derek J. Bergsma
APPLICANT: Nabil A. Elshourbagy
APPLICANT: David Michalovich
APPLICANT: Pamela A. Lane
APPLICANT: Menelas N. Pangalos
APPLICANT: Melanie Robbins
APPLICANT: David Malcolm Duckworth
APPLICANT: Jeffrey Hill
APPLICANT: Ping Tsui
APPLICANT: Pankaj Agarwal
APPLICANT: Randall Forrest Smith
APPLICANT: Lisa Vawter
APPLICANT: Catherine E. Ellis
APPLICANT: Mananandeshwar Gattu
APPLICANT: John W. Ouilien, Jr.
APPLICANT: Erin M. Toland
APPLICANT: Steven Michael Foord
APPLICANT: Han Ngoc Trinh
APPLICANT: Alexander Taylor
APPLICANT: Henry Sarub
APPLICANT: Steven Ruben
APPLICANT: George H. Poste
APPLICANT: Philippe Laurent Robert
APPLICANT: Stephane Clement Krief
APPLICANT: Bernard Emile Joseph Gout
APPLICANT: Eve Mahe
TITLE OF INVENTION: HUMAN G PROTEIN-COUPLED RECEPTOR
TITLE OF INVENTION: POLYPEPTIDES AND POLYNUCLEOTIDES
FILE REFERENCE: GP-70775B-C1
CURRENT APPLICATION NUMBER: US/09/988,922
CURRENT FILING DATE: 2001-11-19
NUMBER OF SEQ ID NOS: 82
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 8
LENGTH: 410
TYPE: PRT
ORGANISM: HOMO SAPIENS
US-09-988-922-8

Query Match 17.3%, Score 403, DB 5, Length 410;
Best Local Similarity 27.6%, Pred. No. 7.3e-28;
Matches 107; Conservative 68; Mismatches 158; Indels 54; Gaps 10;

QY 28 WIKITLIVLIIIFMGLNGSATIRVTOYLOKGYLKEYVDHWISLACSDIIVFLGM 87
Db 30 WAKVLTALYALIMLGAAGNALSVH--VLKARAGRGRLHHHLALAGLLLVGV 87
QY 88 PMEFYSIIMNPLTSSYLSCKLHTEFEACSYATLLHVLTLSPFRYIAICHPRYKAVS 147

Db 88 FVEIYSEFWFHYPWFVRDLGCRGYFVHELCAVATVLSVAGLSAERCLAVCOPLRARSLL 147
QY 148 GPCQVKLLIGVWVTSALVALPLFAMGTEFPLVNVPSHRLLTCNRSTNRHHEPETSNN 207
Db 148 TPRRTYRWLVALSMAASLGLALPMVINGOKHELETADG-----EPEFAS 191
QY 208 SICITLSSRWTFPOSSI-FGAFVYLVLLSVAFM---CWNMQVLAKSQKSLAGCTR 262
Db 192 RVCYLVYLR-TALQVFIQVNVLSFVLPLALFLNGLVTSYHLLALCSQVPSISTPGSS 250
QY 263 PPOLRKSESE-----ESTPAR-----OTIFPLRIVVTAVCW 296
Db 251 PSRLLELSEGLLFTYWKKTFTIOGGQVSLVRHKDVRIRSLQSVOLRAIVMYICW 310
QY 297 MPNQRRITMAAKPKHMPKTRSYFRAYMLLPFSFTFFLSVIVPLLYTYSQOFRFV 356
Db 311 LPYHARRLMCYVDDAWTDPLNFIHYFYVWTTLFVSSAVPLLLYNAVSSFRFEL 370
QY 357 QVLCRSLGHNHNE-KRLRVHAHSTT 382
Db 371 EAVS---SLCGEHHMKRLPKPQSP 394

RESULT 3

US-09-876-252-12
Sequence 12, Application US/09876252
GENERAL INFORMATION:
APPLICANT: Behan, Dominic P.
APPLICANT: Lehmann-Brulisma, Karin
APPLICANT: Chalmers, Derek T.
APPLICANT: Lowitz, Kevin P.
APPLICANT: Lin, I-Lin
APPLICANT: Dang, Huong T.
APPLICANT: Chen, Ruoping
APPLICANT: Liaw, Chen W.
TITLE OF INVENTION: Non-Endogenous Constititively Activated Human G Protein Coupled
FILE REFERENCE: AREN-0054
CURRENT APPLICATION NUMBER: US/09/876,252
CURRENT FILING DATE: 2001-06-07
PRIOR APPLICATION NUMBER: 09/416,760
PRIOR FILING DATE: 1999-10-12
PRIOR APPLICATION NUMBER: 09/170,496
PRIOR FILING DATE: 1998-10-13
PRIOR APPLICATION NUMBER: 60/110,060
PRIOR FILING DATE: 1998-11-27
PRIOR APPLICATION NUMBER: 60/120,416
PRIOR FILING DATE: 1999-02-16
PRIOR APPLICATION NUMBER: 60/121,852
PRIOR FILING DATE: 1999-02-26
PRIOR APPLICATION NUMBER: 60/109,213
PRIOR FILING DATE: 1998-11-20
PRIOR APPLICATION NUMBER: 60/123,944
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,945
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,948
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,951
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,946
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/123,949
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/152,524
PRIOR FILING DATE: 1999-09-03
PRIOR APPLICATION NUMBER: 60/151,114
PRIOR FILING DATE: 1999-08-27
PRIOR APPLICATION NUMBER: 60/108,029
PRIOR FILING DATE: 1998-11-12
PRIOR APPLICATION NUMBER: 60/136,436
PRIOR FILING DATE: 1999-05-28
PRIOR APPLICATION NUMBER: 60/136,439

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;; PRIOR FILING DATE: 1999-05-28
;; PRIOR APPLICATION NUMBER: 60/136,567
;; PRIOR FILING DATE: 1999-05-28
;; PRIOR APPLICATION NUMBER: 60/137,127
;; PRIOR FILING DATE: 1999-05-28
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;; PRIOR FILING DATE: 1999-05-28
;; PRIOR APPLICATION NUMBER: 60/141,448
;; PRIOR FILING DATE: 1999-06-29
;; PRIOR APPLICATION NUMBER: 60/136,437
;; PRIOR FILING DATE: 1999-05-28
;; PRIOR APPLICATION NUMBER: 60/156,555
;; PRIOR FILING DATE: 1999-09-29
;; PRIOR APPLICATION NUMBER: 60/156,634
;; PRIOR FILING DATE: 1999-09-29
;; PRIOR APPLICATION NUMBER: 60/156,653
;; PRIOR FILING DATE: 1999-09-29
;; PRIOR APPLICATION NUMBER: 60/157,280
;; PRIOR FILING DATE: 1999-10-01
;; PRIOR APPLICATION NUMBER: 60/157,294
;; PRIOR FILING DATE: 1999-10-01
;; PRIOR APPLICATION NUMBER: 60/157,281
;; PRIOR FILING DATE: 1999-10-01
;; PRIOR APPLICATION NUMBER: 60/157,282
;; PRIOR FILING DATE: 1999-10-01
;; PRIOR APPLICATION NUMBER: 60/156,533
;; PRIOR FILING DATE: 1999-09-29
;; NUMBER OF SEQ ID NOS: 146
;; SOFTWARE: PatentIn version 3.0
;; SEQ ID NO 12
;; LENGTH: 415
;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-09-876-252-12
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Query Match 15.6%; Score 363; DB 5; Length 415;
Best Local Similarity 28.0%; Pred. No. 2,4e-24;
Matches 97; Conservative 67; Mismatches 138; Indels 44; Gaps 10;
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QY 35 LVYLLIFVWGLNSATIRYQVLOKKGYLOKEVTDHNVSLACSDILVFLGMPMEFYSI 94
DB 50 VVYVPIFVGVIGN---VLQCVLITLQHQAMKPTNYLFLSLAVSDLLVLLGMPLEVEY- 105
QY 95 IWNPLTSSYTLCKLHTEFLFACSTATLHLVLTLSFERIALCHFPFRKAYSGPCQVYL 154
DB 106 MWRNYPFLFPGVGCYFKTALFETVCFASITITVSEYVVAIHPPRAKLOSTRRALR 165
QY 155 LIGFVWTSALVALPLFLFAGTEYPLVNVPSHRGLTCNRSTHHDQETS---NMSICT 211
DB 166 ILGIWGESVLESIP-----NTSIH-----GIKFIHPNGSLVPGSATCT 205
QY 212 NLSSRWTF--VFQSSIFGAFVYLVVLSVAFMCMNMOMVLMKSQKSLAGTRPQOLRK 268
DB 206 VIKPMWYINFLIOYT---SEFLYLLP--MTVISVLYLMLALRLKKDKSLKEND-----E 253
QY 269 SESSESRARQOTIIFELVLTAVLCMPNQIRIIMAAKPKDKWTRSTFRAYMILLPF 328
DB 254 GNANQORCRKSVNKMFLVLAFAICWAPPHIDRLFFSF--VEWSSSLAVALNVLHV 311
QY 329 SETPEYSSVYNPLLYTVSSQOFRVFOVYCCRLSLQHANHEKRL 374
DB 312 SGVEFYSSAVNPILYINLSRRFQAAFOVNLISFRHKWMSQHDPOL 357
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RESULT 4
US-09-875-076-12
; Sequence 12, Application US/09875076
; GENERAL INFORMATION:
; APPLICANT: Dang, Ruoping
; APPLICANT: Dang, Huang T.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lin, I-Lin
```

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;; TITLE OF INVENTION: Human Orphan G Protein Coupled Receptors
;; FILE REFERENCE: AREN0050
;; CURRENT FILING DATE: 2001-06-06
;; PRIOR APPLICATION NUMBER: 09/417,044
;; PRIOR FILING DATE: 1999-10-12
;; PRIOR APPLICATION NUMBER: 60/120,416
;; PRIOR FILING DATE: 1999-02-16
;; PRIOR APPLICATION NUMBER: 60/121,851
;; PRIOR FILING DATE: 1999-02-26
;; PRIOR APPLICATION NUMBER: 60/123,946
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;; PRIOR FILING DATE: 1999-05-28
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;; PRIOR FILING DATE: 1999-09-29
;; PRIOR APPLICATION NUMBER: 60/156,555
;; PRIOR FILING DATE: 1999-09-29
;; PRIOR APPLICATION NUMBER: 60/156,634
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;; PRIOR APPLICATION NUMBER: 60/157,280
;; PRIOR FILING DATE: 1999-10-01
;; PRIOR APPLICATION NUMBER: 60/157,294
;; PRIOR FILING DATE: 1999-10-01
;; PRIOR APPLICATION NUMBER: 60/157,281
;; PRIOR FILING DATE: 1999-10-01
;; PRIOR APPLICATION NUMBER: 60/157,293
;; PRIOR FILING DATE: 1999-10-01
;; PRIOR APPLICATION NUMBER: 60/157,282
;; PRIOR FILING DATE: 1999-10-01
;; NUMBER OF SEQ ID NOS: 74
;; SOFTWARE: PatentIn Ver. 2.1
;; SEQ ID NO 12
;; LENGTH: 415
;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-09-875-076-12
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Query Match 15.6%; Score 363; DB 5; Length 415;
Best Local Similarity 28.0%; Pred. No. 2,4e-24;
Matches 97; Conservative 67; Mismatches 138; Indels 44; Gaps 10;
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QY 35 LVYLLIFVWGLNSATIRYQVLOKKGYLOKEVTDHNVSLACSDILVFLGMPMEFYSI 94
DB 50 VVYVPIFVGVIGN---VLQCVLITLQHQAMKPTNYLFLSLAVSDLLVLLGMPLEVEY- 105
QY 95 IWNPLTSSYTLCKLHTEFLFACSTATLHLVLTLSFERIALCHFPFRKAYSGPCQVYL 154
DB 106 MWRNYPFLFPGVGCYFKTALFETVCFASITITVSEYVVAIHPPRAKLOSTRRALR 165
QY 155 LIGFVWTSALVALPLFLFAGTEYPLVNVPSHRGLTCNRSTHHDQETS---NMSICT 211
DB 166 ILGIWGESVLESIP-----NTSIH-----GIKFIHPNGSLVPGSATCT 205
QY 212 NLSSRWTF--VFQSSIFGAFVYLVVLSVAFMCMNMOMVLMKSQKSLAGTRPQOLRK 268
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Db      206 VIKPMWYNFIQGT---SEFEYLLP-MTVISLVYLMAALRKKDKDSLEAD-----E 253
Oy      269 SESESESTARROTIIETRLVYLAVCMPENOIRIMAAAKPKDWTGRSYFRAYMILLPF 328
Db      254 GNANIQPCRCRSVKMKLFVYLALVFAICWAPFHIDREFFSF--VEWSESLSAVENTLHVVV 311
Oy      329 SEFFEYLSVYNPLLYVSSQOEFRRVFOYLCRLSLQHANHEKRL 374
Db      312 SGVEFYLSAVNPITLYNLSRRFQAFQNVLSFHKQMSHDPL 357

RESULT      5
US-09-876-252-130
: Sequence 130, Application US/09876252
: GENERAL INFORMATION:
: APPLICANT: Benan, Dominic P.
: APPLICANT: Lehmann-Brulnsma, Karin
: APPLICANT: Chalmers, Derek T.
: APPLICANT: Lowitz, Kevin P.
: APPLICANT: Lin, I-Lin
: APPLICANT: Dang, Huong T.
: APPLICANT: Chen, Ruoping
: APPLICANT: Liaw, Chen W.
: TITLE OF INVENTION: Non-Endogenous Constititively Activated Human G Protein Coupled Re
: FILE REFERENCE: AGEN-0054
: CURRENT APPLICATION NUMBER: US/09/876,252
: CURRENT FILING DATE: 2001-06-07
: PRIOR APPLICATION NUMBER: 09/416,760
: PRIOR FILING DATE: 1999-10-12
: PRIOR APPLICATION NUMBER: 09/170,496
: PRIOR FILING DATE: 1998-10-13
: PRIOR APPLICATION NUMBER: 60/110,060
: PRIOR FILING DATE: 1998-11-27
: PRIOR APPLICATION NUMBER: 60/120,416
: PRIOR FILING DATE: 1999-02-16
: PRIOR APPLICATION NUMBER: 60/121,852
: PRIOR FILING DATE: 1999-02-26
: PRIOR APPLICATION NUMBER: 60/109,213
: PRIOR FILING DATE: 1998-11-20
: PRIOR APPLICATION NUMBER: 60/123,944
: PRIOR FILING DATE: 1999-03-12
: PRIOR APPLICATION NUMBER: 60/123,945
: PRIOR FILING DATE: 1999-03-12
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: PRIOR FILING DATE: 1999-03-12
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: PRIOR APPLICATION NUMBER: 60/151,114
: PRIOR FILING DATE: 1999-08-27
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: PRIOR FILING DATE: 1999-05-28
: PRIOR APPLICATION NUMBER: 60/141,448
: PRIOR FILING DATE: 1999-06-29
: PRIOR APPLICATION NUMBER: 60/136,437
: PRIOR FILING DATE: 1999-05-28
: PRIOR APPLICATION NUMBER: 60/156,555
: PRIOR FILING DATE: 1999-09-29

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P R I O R   A P P L I C A T I O N   N U M B E R : 60/156,634
P R I O R   F I L I N G   D A T E : 1999-09-29
P R I O R   A P P L I C A T I O N   N U M B E R : 60/156,653
P R I O R   F I L I N G   D A T E : 1999-09-29
P R I O R   A P P L I C A T I O N   N U M B E R : 60/157,280
P R I O R   F I L I N G   D A T E : 1999-10-01
P R I O R   A P P L I C A T I O N   N U M B E R : 60/157,294
P R I O R   F I L I N G   D A T E : 1999-10-01
P R I O R   A P P L I C A T I O N   N U M B E R : 60/157,281
P R I O R   F I L I N G   D A T E : 1999-10-01
P R I O R   A P P L I C A T I O N   N U M B E R : 60/157,282
P R I O R   F I L I N G   D A T E : 1999-10-01
P R I O R   A P P L I C A T I O N   N U M B E R : 60/156,633
P R I O R   F I L I N G   D A T E : 1999-09-29
N U M B E R   O F   S E Q   I D   N O S : 146
S O F T W A R E : PatentIn version 3.0
S E Q   I D   N O   130
L E N G T H : 412
T Y P E : PRT
O R G A N I S M : Homo sapiens
US-09-876-252--130

Query Match          15.0%; Score 349.5; DB 5; Length 412;
Best Local Similarity 28.5%; Pred. No. 3,7e+23;
Matches 111; Conservative 64; Mismatches 170; Indels 45; Gaps 13;

QY      4 PSLEPSD---CSQIIDHSHPFEVAVTWIKITLLIVYLIIIFVMGLGNSATIRTYOVLOK 60
         ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db       20 PALPPCDERRCS-----PFPLGALVPYT-AVCCLDFVGSGNVVV---MLIGR 65

QY      61 KGYLOKEVTDMHVSILACSDLIIVFLIGMPMEERYSTIMWNLFTSSYTSLCKLTLPFEEACY 120
         ::::: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db       66 VRYMDTTNTTLTGSAVASDLLI-LLGLEPDFLYR-DMRSRPVFGEGLICRLSLVIAGECTY 123

QY      121 ATLLHLVLTSERYYAIALPHPRKYAVSGPCQVKLLIGFWWTSAVALPLLFPANGTEY-P 179
        | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db       124 ATLHMTRLASVERTAIORPLRARLVYTRRRVRALLINVLMAVALLSNAPFLFIIVGEDDP 183

QY      180 LVN-VPSHRGLTCNESSTRHNEDQ-----PETSMNSTCNLSRMTVFOSS 223
         :: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db       184 GISVPGINGTAGRIASSPLASSPPLMLSRADESPGPSGETAEAAAFSRRCRPSPAQ-- 241

QY      224 IFGAFFVYLVVLLSAFPMCMNMOMYMKSOGSLAGCGFRPOLLRSESESERTARROTII 283
         -||-|-||-||-||-||-||-||-||-||-||-||-||-||-||-||-||-||-||-||-||
Db       242 -IGAIRVWLMTTAIFYEFLFCILSLIYGILGRELMSSRRP--LKGPASGRERGHTKR 298

QY      284 FLRLIVVLAWCMPNQIRIRIMAARKPKHDWTRSXFRAYMWILLPESETFYLFSSVINPL 343
         |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db       299 VLHVLAFLFITCWLRFHQRIILIYI--NTEDSRMMTFOSGFNFIVALQ--LFYLSINSINPL 354

QY      344 YTWSQQQRFFEVOYLCRLSLQHANNHEKR 373
         |:::::|:::::|:::::|:::::|:::::|:::::|:::::|:::::|:::::|:::::|
Db       355 YNLISKTRYRAAAFKLRLAKRSSRPRGGFHRSR 384


RESULT           6
US-09-170-496d-114
Sequence 114, Application US/09170496D
GENERAL INFORMATION:
APPPLICANT: Behan, Dominic P.
APPPLICANT: Chalmers, Derek T.
TITLE OF INVENTION: Law, Chen W.
TITLE OF INVENTION: Non-endogenous, Constitutively Activated Human G Protein-Coupl
FILE REFERENCE: AREN-0040
CURRENT APPLICATION NUMBER: US/09/170,496D
CURRENT FILING DATE: 1998-10-13
NUMBER OF SEQ ID NOS: 294
SOFTWARE: Patentln version 3.1
SEQ ID NO 114
LENGTH: 403
TYPE: PRT
```



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; Sequence 88, Application US/09170496D
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Liaw, Chen W.
; TITLE OF INVENTION: Non-Endogenous, Constitutively Activated Human G Protein-Coupled
; TITLE OF INVENTION: Receptors
; FILE REFERENCE: AREN-0040
; CURRENT APPLICATION NUMBER: US/09/170,496D
; CURRENT FILING DATE: 1998-10-13
; NUMBER OF SEQ ID NOS: 294
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 88
; LENGTH: 366
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-170-496D-88

```

12.8%; Score 293; DB 5; Length 366;

Query Match 27.8%; Pred. No. 8,7e-19; Best Local Similarity 27.8%; Mismatches 118; Indels 64; Gaps 12;

```

; Matches 93; Conservative 60; Mismatches 118; Indels 64; Gaps 12;
;
; 40 IFVAGLGNATIRTVOLQKGYLOKEVTDHMYSLACSDILVELIGMPMEFYSIIMNPL 99
; 53 LFVVGAGNLITMLVVSFRERE--LRTTNLYLSSMAFSDILFLIC-MPLDLYR-LMOYR 107
; 100 TTSSYTLSCRLHTEFECASYATLLHVLTSFERYIAICHPFRKAVSGPCQVLLIGFV 159
; 108 PMWGDLLCKLFQVSESCYATVLTITLSEVERYPALCEPPLRAKVYVTKGRKLVIFVI 167
; 160 WTSALVALPLLFAMGTEYPLVNPVSHRGILTCNRSSTRHHEQETSMSICTNLSSR--- 216
; 168 WAVAFCASGPIFLVGVGHE-----ENGTDPMDTNECRPTEFAVRSGL 209
; 217 --WTFQSSIFGAFVY--LVYLLSVAFMCMMAQVLMKSQKSLAGTRPPOLKSESEE 273
; 210 LTVWVWVSSIFFLPVECLTVLYSL-----IGRKLMRRRRGAVVGA---SLRDQ--- 257
; 274 SRRAROTIIFLRILVYTVLAVCMMPNOIRIMAAPKPHDWTSSY-----FRAYMI 324
; 258 ----HKOTKMLAVVVFILCMLPHVGRYL-----FSKSEFGSLEIAOISQYCN 305
;
; 325 LDPSEFEFLSSVINPLLYTVSSQOFRFVVOYL 359
; 306 LVSF--VLFYLSAALNPILYNIMSKKRYRAVFRLL 338
;
;
; 10
; US-09-170-496D-210
; Sequence 210, Application US/09170496D
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Liaw, Chen W.
; TITLE OF INVENTION: Non-Endogenous, Constitutively Activated Human G Protein-Coupled
; TITLE OF INVENTION: Receptors
; FILE REFERENCE: AREN-0040
; CURRENT APPLICATION NUMBER: US/09/170,496D
; CURRENT FILING DATE: 1998-10-13
; NUMBER OF SEQ ID NOS: 294
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 210
; LENGTH: 366
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-170-496D-210

```

Query Match 12.6%; Score 293; DB 5; Length 366;
Best Local Similarity 27.8%; Pred. No. 2.9e-18;
Matches 93; Conservative 59; Mismatches 119; Indels 64; Gaps 12;

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; 40 IFVAGLGNATIRTVOLQKGYLOKEVTDHMYSLACSDILVELIGMPMEFYSIIMNPL 99
; 53 LFVVGAGNLITMLVVSFRERE--LRTTNLYLSSMAFSDILFLIC-MPLDLYR-LMOYR 107
; 100 TTSSYTLSCRLHTEFECASYATLLHVLTSFERYIAICHPFRKAVSGPCQVLLIGFV 159
; 108 PMWGDLLCKLFQVSESCYATVLTITLSEVERYPALCEPPLRAKVYVTKGRKLVIFVI 167
; 160 WTSALVALPLLFAMGTEYPLVNPVSHRGILTCNRSSTRHHEQETSMSICTNLSSR--- 216
; 168 WAVAFCASGPIFLVGVGHE-----ENGTDPMDTNECRPTEFAVRSGL 209
; 217 --WTFQSSIFGAFVY--LVYLLSVAFMCMMAQVLMKSQKSLAGTRPPOLKSESEE 273
; 210 LTVWVWVSSIFFLPVECLTVLYSL-----IGRKLMRRRRGAVVGA---SLRDQ--- 257
; 274 SRRAROTIIFLRILVYTVLAVCMMPNOIRIMAAPKPHDWTSSY-----FRAYMI 324
; 258 ----HKOTKMLAVVVFILCMLPHVGRYL-----FSKSEFGSLEIAOISQYCN 305
;
; 325 LDPSEFEFLSSVINPLLYTVSSQOFRFVVOYL 359
; 306 LVSF--VLFYLSAALNPILYNIMSKKRYRAVFRLL 338
;
;
; RESULT 11
; US-09-611-526-3507
; Sequence 3507, Application US/09611526
; GENERAL INFORMATION:
; APPLICANT: NISHIKAWA, TETSUO
; APPLICANT: OTA, TOSHIO
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: HAYASHI, KOJI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: KAWAI, YURI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: KOTIMA, SHINICHI
; APPLICANT: OTSUKI, TETSUO
; APPLICANT: KOGA, HISASHI
; TITLE OF INVENTION: PRIMERS FOR SYNTHESIS OF FULL LENGTH CDNAS
; TITLE OF INVENTION: AND THEIR USES
; FILE REFERENCE: 0835/0122
; CURRENT APPLICATION NUMBER: US/09/611,526
; CURRENT FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: JP 1999-194486
; PRIOR FILING DATE: 1999-07-08
; PRIOR APPLICATION NUMBER: JP 2000-118774
; PRIOR FILING DATE: 2000-01-11
; PRIOR APPLICATION NUMBER: JP 2000-183765
; PRIOR FILING DATE: 2000-05-02
; NUMBER OF SEQ ID NOS: 4484
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3507
; LENGTH: 380
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-611-526-3507

```

Query Match 11.8%; Score 276.5; DB 5; Length 380;
Best Local Similarity 24.9%; Pred. No. 8.6e-17;
Matches 92; Conservative 61; Mismatches 154; Indels 63; Gaps 14;

```

; 8 GSPCQIIDHSHPPEFVATWIKITLIL--VYLIFVAGLGNATIRTVOLQKGYLO 65
; 4 GGDENYTGADNOSCEYEDMKSSGALIPATYMLVFLCTGNGVL--WTFRRSREKR 61
; 66 KEVTDHMYSLACSDILVELIGMPMEFYSIIMNPLTTSY----TISCKLHTEFECASY 120
; 62 RSADITIASLAVAD-LTFVVTLP-----LMAITYYRDYDMDFGFFCKLSSYLIFVNMV 114

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QY	121	ATLLAHVLHSERYALICHP-----FRKAVSGPCQVWLTJGFVWVTSALVLPLEFAMG	175
Db	115	ASVFCJLGSJSDRYLAIVRPVANAARLR- VSGAVATAVL-----WYLAALLMPYA-VLR	168
QY	176	TEYPLVNPVSHRGILCNSSSTRHNEQPETSNISICTNLSRWT-----VFQSSIFGAFVY	231
Db	169	TTGDLENTTK---VQC-----YMDYSMVATVSESEAMEVGALVSTVGFVVP	213
QY	232	LAVLLISVAFMCMNMVQLMKSQKSLAGTRPPRLKSSSESESTARQTIIFLRILVYV	291
Db	214	FTIMLTCTFFI-----AQITAGHR-----KERIGLKRRLRLLSIIVLYVT	256
QY	292	LAVCMMPNOIRIMAAPKHDWTRSYFRAYMILLPFSETFYLLSVINPLLYTVSSQOF	351
Db	257	FALCMMPAHLVKTILYMLGSLHMPCDFLEMLNIPPYCTCISYVNSCLNPLFYAEFPDR	316
QY	352	RRVEYVLCG 361	
Db	317	RRACTSMLC 326	

[illegible]

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RESULT 13
US-09-170-496D-198
: Sequence 198, Application US/09170496D
: GENERAL INFORMATION:
: APPLICANT: Behan, Dominic P.
: APPLICANT: Chalmers, Derek T.
: APPLICANT: Liaw, Chen W.
: TITLE OF INVENTION: Non-Endogenous, Constitutively Activated Human G Protein-Coupl
: TITLE OF INVENTION: Receptors
: FILE REFERENCE: AREN-0040
: CURRENT APPLICATION NUMBER: US/09/170,496D
: CURRENT FILING DATE: 1998-10-13
: NUMBER OF SEQ ID NOS: 294
: SOFTWARE: PatentIn version 3.1
: SEQ ID NO 198
: LENGTH: 380
: TYPE: PR1
: ORGANISM: Homo sapiens
US-09-170-496D-198

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Query Match 11.7%; Score 272.5; DB 5; Length 380;
Best Local Similarity 25.1%; Pred. No. 1.9e-16;
Matches 93; Conservative 60; Mismatches 154; Indels 63; Gaps 15;

QY      8 GSDCSQIDHSHVPEFEVATWIKITLIL--VYLIFVMGLGNSATIRVTOYLQKKGIYQ 65
      | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB      4 GGDPEINYADNQSECEYTDWKKSSGALIPAIYMLVFLLCTGTGNGLV--WTVESSREKR 61

QY      66 KEVTDHMSLACSDILVELIGMPMEFYSLINPLTSSV-----FLSCKHFELEACSY 120
      | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB      62 RSADIFIASLAVAD--LTFEVLTP-----LMATYTRDWDMPGTFECLSLYLFVNMV 114

QY      121 ATLHLVLTSPFEYVIAICHP-----FRYKAVSGPCOVKILLIGFVWTSALVALPLLFANG 175
      | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB      115 ASVFCLTGLSGEDRYLAIYRPVANRLRLR--VSGAVATAVL-----WYLAALLAMPVA--VLR 168

QY      176 TEYPIVNVDSHRGLTCSRSTRHHEQETSNNISICTNLSRMT---VFOSLIGAFVYV 231
      | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB      169 TGDLENTTK--VQC-----YMDYSMAVATVSEWAMEYGLVSGSTTVGFV 213

QY      232 LVYLSVAACMMQVLMKSKGSLAGSTRPQLRKSSSESRTARROTIFLRILVYV 291
      | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB      214 ETIMLCYEFFI-----AQTLAG-----HFKKEIEGLRKRRLAKSLIIV--VLVYV 256

QY      292 LAVCMNPQRIIRIMAAKPKHDWTRSYFRAYMILLPSETFEYLSVINPLLYTVSSQGF 351
      | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB      257 FALCMRPYHLVKTLYMGLSLHWPQDFELMIMIFPYCCISIVNSCLNPLFYAFDPDRF 316

QY      352 RRVFVOVLC 361
      | | | | | | | | | | | | | | | | | | | | | | | | | | | |
DB      317 RQACTSMLC 326

RESULT 14
US-09-992-331-19
; Sequence 19, Application US/09992331
; GENERAL INFORMATION:
; APPLICANT: FEDER, JOHN N.
; APPLICANT: MINTER, GABE
; APPLICANT: RAMANATHAN, CHANDRA S.
; APPLICANT: HAWKEN, DONALD R.
; TITLE OF INVENTION: A NOVEL HUMAN G-PROTEIN COUPLED RECEPTOR, HGPRTMY18,
; TITLE OF INVENTION: EXPRESSED HIGHLY IN PITUITARY GLAND AND COLON CARCINOMA
; TITLE OF INVENTION: CELLS
; FILE REFERENCE: D0048NP
; CURRENT APPLICATION NUMBER: US/09/992,331
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/308,540
; PRIOR FILING DATE: 2001-07-27
; PRIOR APPLICATION NUMBER: 60/261,782

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US-09-992-331-19
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Query March	11.38;	Score 263.5;	DB 5;	Length 444;
Best Local Similarity	21.28;	Pred. No. 1.4e-15;		
Matches 99; Conservative	99;	Mismatches 154;	Indels 115;	Gaps 23

```

QY 16 DSHNPEBEVATWIKITLIVLVLVLVWGLGNSATIVTOVLORCKYLOKEVTDHWSL 75
Db 46 EYLHPKEYE---WV---LIAUYILVFAALLGN---VLVCYAVMKNNHMRVTVMYFVNL 96
QY 76 ACSDLVFLGMPHEFYSILMNPILTSSYILS-CKLHTEFLBACSYATLHLVTLSEERY 134
Db 97 SLADVLVITCLPA---TLVADITPEWFEFGSLCKVPILOTIVSVSVLTLSCIALDRW 153
QY 135 IAICHPFRKAVSPGCKYLLIGFVWVYTSALVALPRLIFAM--GTREY-TVVVPSHRGLTC 191
Db 154 YALCHPILMFKSTAKRARSIIYI--IMVISCIMIPRALWECSTVFEGLAN----- 202
QY 192 NRSSTRHNEPSTNMSICTNLSSRW-----TVQSSIFGAFVYVL--VVLVSAPM-- 241
Db 203 -----KTYLLFVYC---DERMGGEIYPRKMYHICF--LVTYMAPICLMLVATLQI 246
QY 242 -----C-----WMMQVLKMSQKSLAGSTRPQLKS-----ESESRTARR 279
Db 247 FRKIMCKROIPETSSVVOKKMRPLDPVSOPR-----GGQPKTSMSYAAEITQIQR--ARR 300
QY 280 OTIIFLRILVITLAVCMMP-----NQIRRI--MAAKPKHMDTRSYPRAVMILPLFSETFF 333
Db 301 KTAHMLAVVLLVFAICLPILSILNVLKRVGMPHNTEDRELYVAMF-----TFSHMLV 353
QY 334 YLSSVNPILTYVSSQOFRRYFVOVL--CERLSLOHANHEKRLRYHANHSTTDSARFYORPL 392
Db 354 YANAPADIIYNELSGFREBEFKAFSCCIGVHNREDRLTR----- 396
QY 393 LFASRROSSARTEKILPSTFOSAEQOSKOSLSLESLSPNSGAKP 439
Db 397 ---GRSTBESKSLITTOISNFDNISKSISEOVYLTLSITPLAANGACP 440

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RESOLUT 15
US-09-595-549-6
; Sequence 6: Application US/09595549
; GENERAL INFORMATION:
; APPLICANT: Howard, Andrew D.
; APPLICANT: Cascieri, Margaret A.
; APPLICANT: Smith, Roy G.
; APPLICANT: Sullivan, Kathleen A.
; APPLICANT: Tan, Carina
; APPLICANT: Van der Ploeg, Leonardus H. T.
; APPLICANT: Lynch, Kevin R.
; TITLE OF INVENTION: GALANTIN RECEPTOR GALR3 AND NUCLEOTIDES
; TITLE OF INVENTION: ENCODING SAME
; FILE REFERENCE: 20148PCA
; CURRENT APPLICATION NUMBER: US/09/595,549
; CURRENT FILING DATE: 2000-06-16
; PRIOR APPLICATION NUMBER: US98/26812
; PRIOR FILING DATE: 1998-12-17
; PRIOR APPLICATION NUMBER: 60/069,725
; PRIOR FILING DATE: 1997-12-17
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 346

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; TYPE: PRT
; ORGANISM: ratt
US-09-595-549-6

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Query Match	11.1%;	Score 258;	DB 5;	Length 346;
Best Local Similarity	24.8%;	Pred. No. 3.2e-15;		
Matches 94;	Conservative 68;	Mismatches 141;	Indels 76;	Gaps 17;

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QY      21 PEREVAWTKIRILLIVILVILIFVIMGLGMSATIRVTOYLOKQGLQREYTDHVASLACSDI  80
Dd      24 PLFGIENVETILV-VFGLIIFAMGVILGSLVITYL-ARSPGKPRSTYMLFLINSTIDL  81
QY      81 LVFLICMPHEVYSIIMNPLTTSYSTLSCKLTPELFEACSYATLLHVLTSEFRYTAICHP  140
Dd      82 AYLLFCIP--FOATYVALPTVLGAFCIKFTHYFFVSMVLISIFTLAASVDRYAVIHS  139
QY      141 FRKKAWSGCQCKLLIGVWVTSALVALPILFPMGTEYPLVNVPSHIGLTCNRSTRHNE  200
Dd      140 RRSSTLRYSRNALLDGVGIFMLSTAMSPAY-----YORL-----FIR-----  176
QY      201 QEPETSMASIC-----TNLSRWTFQSSIGAEVYLVLVLSVAFCMNMOVLKKSOG  255
Dd      179 ---DSNGQTCMHMNPQHLKRAYVVCIFVGG-----YLLPILLCICYAKVLNHLHKILKN  233
QY      256 SLAGTRPPLRKSESEBSERTARROTTILRLIVTLAVCMPNPDIRIIMAAAKPKHMT  314
Dd      232 -----MSKSSBASKKTA--QVTL--VVVVVFGISMLPNHV-----IHMA  266
QY      316 RSEFRAYMILLPFSTFP-----YLSVYNPLLYVSSQORRRVFOVILCRISLQ  366
Dd      269 E--FGAFV-LTPAS--FFERTIAHCLAYSNSVNPITIAVLESENFRAKAYKOVFCRCVONE  323
QY      367 --HANKEKRLRYHAHSTD  383
Dd      324 SPBGDAKKEKNRIDTPPSTN  342

```

Search completed: January 8, 2002, 23:09:45
Job time: 384 sec

Wed Jan 9 08:51:41 2002

us-09-635-521a-2.rapn

Page 9



1. 2. 3.

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